

ISIS-II PL/M-86 V2.0 COMPILATION OF MODULE IO

OBJECT MODULE PLACED IN IO.OBJ

COMPILER INVOKED BY: :F0: IO.PLN DEBUG OPTIMIZE(2) DATE(FEBRUARY 2, 1982) XREF

```

1      $title ('INTERFACE TO CP/M I/O')
      io:
      do;

          /*
           Template for all BIOS calls
          */

          /*

              modified 3/26/81 R. Silberstein
              modified 6/16/81 R. Silberstein
              modified 9/14/81 R. Silberstein

          */

2  1    declare tbuff (80h) byte external;

3  1    mon1: procedure (func,info) external;
4  2      declare func byte;
5  2      declare info address;
6  2    end mon1;

7  1    mon2: procedure (func,info) byte external;
8  2      declare func byte;
9  2      declare info address;
10 2    end mon2;

      /*****
      *
      *      B I O S   Externals
      *
      *****/

11 1    system$reset: procedure public;
12 2      call mon1 (0,0);
13 2    end system$reset;

14 1    read$console: procedure byte public;
15 2      return mon2 (1,0);
16 2    end read$console;

17 1    write$console: procedure (char) public;
18 2      declare char byte;
19 2      call mon1 (2,char);
20 2    end write$console;

21 1    write$list: procedure (char) public;
22 2      declare char byte;
23 2      call mon1 (5,char);
24 2    end write$list;

```

CP/M-86 v.1.1 (Vol. IV)

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```
25 1  constat: procedure byte public;
26 2      return mon2 (11,0);
27 2  end constat;

28 1  VERSION: PROCEDURE ADDRESS PUBLIC;
29 2      RETURN MON2 (12, 0);
30 2  LND VERSION;

31 1  select$disk: procedure (disk$number) public;
32 2      declare disk$number byte;
33 2      call mon1 (14,disk$number);
34 2  end select$disk;

35 1  set$DMA$address: procedure (DMA$address) public;
36 2      declare DMA$address address;
37 2      call mon1 (26,DMA$address);
38 2  end set$DMA$address;

39 1  open$file: procedure (fcb$address) byte public;
40 2      declare fcb$address address;
41 2      CALL SET$DMA$ADDRESS (.TBUFF);    /* FOR 1.4 SYSTEMS */
42 2      return mon2 (15,fcb$address);
43 2  end open$file;

44 1  OPEN$RO$FILE: PROCEDURE (FCB$ADDRESS) BYTE PUBLIC;
45 2      DECLARE FCB$ADDRESS ADDRESS, FCB BASED FCB$ADDRESS (32) BYTE;
46 2      FCB (6) = FCB (6) OR 80H;
47 2      RETURN OPEN$FILE (FCB$ADDRESS);
48 2  LND OPEN$RO$FILE;

49 1  close$file: procedure (fcb$address) byte public;
50 2      declare fcb$address address;
51 2      return mon2 (16,fcb$address);
52 2  end close$file;

53 1  delete$file: procedure (fcb$address) public;
54 2      declare fcb$address address;
55 2      CALL mon1 (19,fcb$address);
56 2  end delete$file;

57 1  read$record: procedure (fcb$address) byte public;
58 2      declare fcb$address address;
59 2      return mon2 (20,fcb$address);
60 2  end read$record;

61 1  write$record: procedure (fcb$address) byte public;
62 2      declare fcb$address address;
63 2      return mon2 (21,fcb$address);
64 2  end write$record;

65 1  create$file: procedure (fcb$address) byte public;
66 2      declare fcb$address address;
67 2      return mon2 (22,fcb$address);
68 2  end create$file;

69 1  interrogate$disk: procedure byte public;
```

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```
70 2      return mon2 (25,0);
71 2      end_interrogate$disk;

72 1      crlf: procedure public;
73 2          call write$console (0dh);
74 2          call write$console (0ah);
75 2      end crlf;

76 1      end io;
```

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CROSS-REFERENCE LISTING

DEFN	ADDR	SIZE	NAME, ATTRIBUTES, AND REFERENCES
21	0004H	1	CHAR BYTE PARAMETER AUTOMATIC 22 23
17	0004H	1	CHAR BYTE PARAMETER AUTOMATIC 18 19
49	00B1H	16	CLOSEFILE. PROCEDURE BYTE PUBLIC STACK=000AH
25	0043H	15	CONSTAT. PROCEDURE BYTE PUBLIC STACK=0008H
65	00F1H	16	CREATEFILE PROCEDURE BYTE PUBLIC STACK=000AH
72	0110H	17	CRLF PROCEDURE PUBLIC STACK=000EH
53	00C1H	16	DELETEFILE PROCEDURE PUBLIC STACK=000AH
31	0004H	1	DISKNUMBER BYTE PARAMETER AUTOMATIC 32 33
35	0004H	2	DMAADDRESS WORD PARAMETER AUTOMATIC 36 37
45	0000H	32	FCB. BYTE BASED(FCBADDRESS) ARRAY(32) 46
61	0004H	2	FCBADDRESS WORD PARAMETER AUTOMATIC 62 63
44	0004H	2	FCBADDRESS WORD PARAMETER AUTOMATIC 45 46 47
39	0004H	2	FCBADDRESS WORD PARAMETER AUTOMATIC 40 42
49	0004H	2	FCBADDRESS WORD PARAMETER AUTOMATIC 50 51
53	0004H	2	FCBADDRESS WORD PARAMETER AUTOMATIC 54 55
65	0004H	2	FCBADDRESS WORD PARAMETER AUTOMATIC 66 67
57	0004H	2	FCBADDRESS WORD PARAMETER AUTOMATIC 58 59
3	0000H	1	FUNC BYTE PARAMETER 4
7	0000H	1	FUNC BYTE PARAMETER 8
7	0000H	2	INFO WORD PARAMETER 9
3	0000H	2	INFO WORD PARAMETER 5
69	0101H	15	INTERROGATEDISK. PROCEDURE BYTE PUBLIC STACK=0008H
1	0000H		ID PROCEDURE STACK=0000H
3	0000H		HON1 PROCEDURE EXTERNAL(1) STACK=0000H 12 19 23 33 37 55
7	0000H		HON2 PROCEDURE BYTE EXTERNAL(2) STACK=0000H 15 26 29 42 51
			59 63 67 70
39	0086H	23	OPENFILE PROCEDURE BYTE PUBLIC STACK=0010H 47
44	009DH	20	OPENKOFIL PROCEDURE BYTE PUBLIC STACK=0016H
14	000EH	15	READCONSOLE. PROCEDURE BYTE PUBLIC STACK=0008H
57	00D1H	16	READRECORD PROCEDURE BYTE PUBLIC STACK=000AH
31	0063H	19	SELECDISK PROCEDURE PUBLIC STACK=000AH
35	0076H	16	SETDMAADDRESS. PROCEDURE PUBLIC STACK=000AH 41
11	0000H	14	SYSTEMRESET. PROCEDURE PUBLIC STACK=0008H
2	0000H	128	TBUFF. BYTE ARRAY(128) EXTERNAL(0) 41
23	0052H	17	VERSION. PROCEDURE WORD PUBLIC STACK=0008H
17	001DH	19	WRITECONSOLE PROCEDURE PUBLIC STACK=000AH 73 74
21	0030H	19	WRITELIST. PROCEDURE PUBLIC STACK=000AH
61	00E1H	16	WRITERECORD. PROCEDURE BYTE PUBLIC STACK=000AH

MODULE INFORMATION:

```
CODE AREA SIZE      = 0121H      289D
CONSTANT AREA SIZE  = 0000H      0D
VARIABLE AREA SIZE  = 0000H      0D
MAXIMUM STACK SIZE  = 0016H      22D
117 LINES READ
0 PROGRAM ERROR(S)
```

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FEBRUARY PAGE

END OF PL/M-86 COMPILATION

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